REMARKS

Claims 11-18 are pending in the present application. Claims 11-18 were rejected under 35 U.S.C. § 102(b), as described on page 2 of the Office action. Claims 11, 13 and 17 are the only independent claims.

Claims 11-18 are patentable over the prior art of record for the reasons provided below.

An aspect of the present invention is drawn to a flowcell having a fluid pathway, for example as illustrated in Figure 2. A fluid flows down the fluid pathway in a first direction whereas a light beam travels up the fluid pathway in a second direction opposite the first direction. The light beam creates optical pressure on certain particles within the fluid in the pathway.

Each of independent claims 11 and 17 recites, *inter alia*, "a PDMS body having a fluid pathway arranged to permit flow of a fluid in a first direction therethrough" and "a light input part arranged to accept input light and permit the input light to travel into said PDMS body and through said fluid pathway in a second direction opposite of the first direction."

Independent claim 13 recites, *inter alia*, "a body comprising a first material and having a fluid pathway arranged to permit flow of a fluid in a first direction therethrough," and "a light input part on said body and comprising a second material, said light input part being arranged to accept input light and permit the input light to travel into said body and through said fluid pathway in a second direction opposite of the first direction."

The prior art of record fails to disclose at least the above-identified limitations.

Page 2 of the Office action asserts that Dapprich discloses a (PDMS) body "containing flowthrough fluid pathways 64. 66." that is "operable to reverse or change the direction of light flow through the pathway (figure 9; column 12, lines 22-58 and column 13, lines 30-44)."

First of all, items 64 and 66 of Dapprich are not "fluid pathways" as indicated in the Office action. As specifically discussed in column 12, lines 56-57 of the reference, item 64 is a sample holder, whereas item 66 is a detector. Further, the sample in sample holder 64 is stationary. Therefore sample holder 64 is not a fluid pathway as recited in the claims 11, 13 or 17, which is arranged to permit flow of a fluid in a first direction therethrough. On the contrary, sample holder

Application No. 10/673351 Amendment dated June 12, 2006 After Final Office Action of March 22, 2006

64 holds fluid in place. Equating sample holder 64 to a fluid pathway would contravene the plain meaning of the term "holder."

Secondly, Dapprich discloses fluid pathways and optical devices individually. but not fluid pathways cooperating with optical devices. A discussion of a use of PDMS microstructure for fluid displacement is in "Section 3. Microfluidic Devices and Structures," in column 11, line 15 through column 12, line 20 of the reference. A discussion of a use of PDMS microstructure comprising optical components is in "Section 4. Optical Devices and Structures," in column 12, line 22 through column 13. line 55.

Finally, Dapprich fails to disclose: a fluid pathway arranged to permit flow of a fluid in a first direction therethrough and a light input part arranged to accept input light and permit the input light to travel into through the fluid pathway in a second direction opposite of the first direction, as required in the independent claims.

Accordingly, independent claims 11, 13 and 17 are novel over Dapprich within the meaning of 35 U.S.C. § 102(b).

Furthermore, because claims 12, 14-16 and 18 are dependent upon claims 11, 13 and 17, respectively, and therefore include all the limitations thereof, claims 12, 14-16 and 18 are additionally novel over Dapprich within the meaning of 35 U.S.C. § 102(b).

In light of the above discussion, it is respectfully submitted that claims 11-18 are novel over the prior art of record, an indication of which is respectfully solicited.

Application No. 10/673351 Amendment dated. June 12, 2006 After Final Office Action of March 22, 2006

If there are any outstanding issues that can be resolved by telephone interview, the examiner is asked to call the applicants' attorney Thomas D. Robbins at 202-404-1553.

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